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	Application No.	Applicant(s)	L
		Applicant(s)	
Notice of Allowability	10/698,194	GANAPATHIAPPAN	I, SIVAPACKIA
House of Allowability	Examiner	Art Unit	
	Tatyana Zalukaeva	1713	
The MAILING DATE of this communication apperation apperation allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course THIS
1. ☐ This communication is responsive to <u>09/07/2004</u> .			
2. The allowed claim(s) is/are <u>17-20</u> .			
3. The drawings filed on are accepted by the Examiner	:		
 Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMI 	been received. been received in Application No cuments have been received in this r	national stage applicat	
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submit	tted. Note the attached EXAMINER's	S AMENDMENT or NO	OTICE OF
INFORMAL PATENT APPLICATION (PTO-152) which give	s reason(s) why the oath or declarat	ion is deficient.	
6. CORRECTED DRAWINGS (as "replacement sheets") must			
(a) including changes required by the Notice of Draftsperso	on's Patent Drawing Review (PTO-9	48) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the Of	fice action of	
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in th	34(c)) should be written on the drawing e header according to 37 CFR 1.121(d	gs in the front (not the I	back) of
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
Attachment(s)			
1. Notice of References Cited (PTO-892)	5. Notice of Informal Pa	tent Application (PTO	.152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary (I	PTO-413),	102)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08	Paper No./Mail Date), 7. ⊠ Examiner's Amendme	ent/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Statemen	t of Reasons for Allow	ance
of Biological Material	9.		

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EXAMINER'S AMENDMENT/REASONS FOR ALLOWANCE

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ms. Heminger, esq., on November 4, 2004.

The application has been amended as follows:

Please, cancel claims 1-16, 21-23

IN THE SPECIFICATION:

On page 1 after the words "This application is a divisional of prior Application No. 09/956,431 filed September 20, 2001", insert the clause ----now U.S. Patent No. 6,716,949.-----

Allowable Claims

2. Claims 17-20 are allowed over the prior art of record.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance: The closest prior art of record Matyjaszewski et al (U.S. 6,121,371) discloses a method for preparing amphiphilic polymer particles obtained by ATRP process, having polydispersities shown

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in the last column of Table 1 (col.9, 10 and claim 39). As an example, the use of the AMPA/Cu(II)Br₂ initiator system results in emulsions with smaller particle sizes e.g. 100 nm, which anticipates the range as instantly claimed (col. 7, lines 5-10). The process is of polymerizing one or more radically (co)polymerizable monomers in the presence of a system comprising: (a) a suspending medium, (b) a monomer phase suspended in said suspending medium, comprising said monomers, (c) a surfactant, (d) an initiator having one or more radically transferable atoms or groups, (e) a catalyst system comprising: (i) a transition metal compound capable of participating in a redox cycle with the initiator and, (ii) one or more N--, O--, P--, or S-- containing ligands which coordinate in a sigmabond or in a pi-bond to the transition metal, any C containing compound which can coordinate in a pi-bond to the transition metal, or any carbon containing ligand which coordinates in a carbon-transition metal sigma-bond but which does not form a carboncarbon bond with said monomer under the polymerization conditions, wherein said catalyst system is at least partially soluble in both said monomer phase and in a polymer phase generated during said polymerizing, to form a (co)polymer emulsion or suspension. The process steps shown in the body and in the examples of the reference do not teach or suggest the the polymerization comprising separately preparing ATRP mix containing hydrophilic monomer and separately preparing an emulsion comprise a hydrophobic monomer, and then polymerizing ATRP mix with emulsion.

According to the instant specification, especially Example 6 on page 13 and description on pages 8 and 9 ATRP mix formation of the instant claim 1

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is interpreted as ATRP reaction TAKES PLACE, and then after some of ATRP polymer is formed the emulsion is added.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tatyana Zalukaeva whose telephone number is (571) 272-1115. The examiner can normally be reached on 9:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tatyana Zalukaeva Primary Examiner Art Unit 1713

Idalukas 11/5/04